

# INTERNATIONAL SEARCH REPORT

International Application No

EP2004/053000

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A24C5/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A24C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 089 187 A (GD SOC PER AZIONI) 23 June 1982 (1982-06-23) cited in the application the whole document	1
A	US 4 693 261 A (OKUMOTO ET AL) 15 September 1987 (1987-09-15) column 4, line 24 - column 5, line 25; figure 4	1
A	US 3 782 229 A (CRISTIANI A, IT) 1 January 1974 (1974-01-01) the whole document	1, 3
A	US 6 478 031 B1 (SMITH MICHAEL NORMAN) 12 November 2002 (2002-11-12) abstract	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

21 March 2005

Date of mailing of the international search report

30/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

MARZANO MONTEROSSO

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

EP/EP2004/053000

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2089187	A	23-06-1982	IT 1148241 B	26-11-1986
			BR 8108048 A	21-09-1982
			CA 1165657 A1	17-04-1984
			CS 227338 B2	16-04-1984
			DD 201972 A5	24-08-1983
			DE 3140769 A1	12-08-1982
			FR 2495898 A1	18-06-1982
			IN 157170 A1	01-02-1986
			JP 1581609 C	11-10-1990
			JP 2006507 B	09-02-1990
			JP 57110182 A	08-07-1982
			US 4398438 A	16-08-1983
US 4693261	A	15-09-1987	JP 1054030 B	16-11-1989
			JP 1567710 C	10-07-1990
			JP 60232081 A	18-11-1985
			DE 3576043 D1	22-03-1990
			EP 0163813 A1	11-12-1985
US 3782229	A	01-01-1974	NONE	
US 6478031	B1	12-11-2002	AU 3631097 A	20-02-1998
			CN 1226141 A	18-08-1999
			EP 0921731 A1	16-06-1999
			WO 9804161 A1	05-02-1998
			JP 2000515022 T	14-11-2000